

EV 79364048405
APTO RES CROFTO US DEC 2005

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NUMBER HLA-0001 SERIAL NUMBER _____ FILED _____
 FIRST INVENTOR: ANDREW FOX TITLE ANTENNA SYSTEM

 EXAMINER _____ ART UNIT _____

1. ☒ Applicant submits herewith a copy of (a) attached form PTO-1449, which lists all patents, publications, applications, or other information submitted for consideration by the Office; (b) a legible copy of each document required by 37 C.F.R. §1.98(b)(2).
2. ☐ Applicant herein apprises the Patent Office of references cited in a parent U.S. application from which this application obtains the benefit of an earlier filing date under 35 U.S.C. §120. The Serial Number of the parent application is U.S. Application _____ filed _____ and entitled _____.
 The publications cited therein are listed on attached Form PTO-1449. In accordance with 37 C.F.R. §1.98(d) copies of the listed publications are not required. ☐ Additional parent patent applications are listed on an attached sheet.
3. ☒ In accordance with 37 C.F.R. §1.98(a)(3), Applicant hereby certifies that for each reference not in English (check at least one box below):
☐ A copy of a translation of one or more non-English document, or portion thereof, is provided herewith;
☒ A concise explanation is (check at least one box below):
☒ provided in the accompanying foreign or international search report; ☐ incorporated into the specification; and/or ☐ provided herewith.

37 C.F.R. §1.97(b)(1), (b)(2) – WITHIN 3 MONTHS OF FILING OR ENTRY IN NATIONAL STAGE

4. ☒ Since this Information Disclosure Statement is being filed within three months of the filing date of the subject application or within three months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application, no fee or certification under 37 C.F.R. §1.97(e) is required.

37 C.F.R. §1.97(b)(3), (b)(4) – PRIOR TO MAILING OF FIRST OFFICE ACTION OR FIRST ACTION AFTER REQUEST FOR CONTINUED EXAMINATION


5. ☐ Since this Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits, or before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. §1.114, no fee or certification under 37 C.F.R. §1.97(e) is required.

37 C.F.R. §1.97(c) – AFTER FIRST ACTION, BEFORE FINAL ACTION OR ALLOWANCE

6. ☐ Since this Information Disclosure Statement is being filed outside of the period provided for in 37 C.F.R. §1.97(b), but before the mailing date of a Final Rejection or Notice of Allowance, this submission is being accompanied by (one of the following boxes must be checked):
 a. ☐ the fee required under 37 C.F.R. §1.97(c)(2) and specified in 37 C.F.R. §1.17(p).
 b. ☐ the statement specified in 37 C.F.R. §1.97(e) (Box 8 or 9 must be checked).

37 C.F.R. §1.97(d) – AFTER FINAL REJECTION OR ALLOWANCE

7. ☐ Since this Information Disclosure Statement is being filed after the period specified in 37 C.F.R. §1.97(c), but on or before payment of the issue fee and is accompanied by both the statement specified in 37 C.F.R. §1.97(e) and the fee set forth in 37 C.F.R. §1.17(p). (Box 8 or 9 must be checked.)
8. ☐ In accordance with 37 C.F.R. §1.97(e)(1), Applicant's attorney certifies that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. ☐ The foreign or international search report(s) is/are enclosed.
9. ☐ In accordance with 37 C.F.R. §1.97(e)(2), Applicant's attorney certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of the information disclosure statement.
10. ☒ In the event the Commissioner of Patents deems that any additional fee is required under 37 C.F.R. §§ 1.16 or 1.17 in connection with this application, Applicant's attorneys authorize that such fee be charged to Deposit Account No. 06-1130.
11. Consideration of this Information Disclosure Statement is respectfully requested.

Name:	Daniel F. Drexler	Registration Number	47,535
Signature		Date	December 5, 2005
CERTIFICATE OF MAILING OR TRANSMISSION: I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or [] facsimile transmitted to the Patent and Trademark Office to Facsimile No. _____ on the date shown below.			
Name			
Signature		Date	

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

FILED-0001

Application Number

10/559717

Applicant(s)

ANDREW FOX

Filing Date

Group Art Unit

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		US 2003/043075	06.03.03	BIT-BABIK, ET AL.			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		EP 0 587 247	16.03.94	EUROPE				
		EP 0 801 436	15.10.97	EUROPE				
		GB 2 355 855	02.05.01	GREAT BRITAIN				
		WO 00/14826	16.03.00	INTERNATIONAL				
		GB 2 360 134	12.09.01	GREAT BRITAIN				

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

		International Search Report PCT/GB2004/002350; 20 August 2004
		KISHK A A ET AL: "CONICAL DIELECTRIC RESONATOR ANTENNAS FOR WIDE-BAND APPLICATIONS" IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, IEEE INC. NEW YORK, US vol. 50, no. 4, April 2002; pages 469-474, XP001115186; ISSN: 0018-926X

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

HLA-0001

APPLICATION NO.

30559717

APPLICANT(S)

ANDREW FOX

05 DEC 2005

FILING DATE

GROUP ART UNIT

U.S. PATENT DOCUMENTS

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U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		JP 09008539	10.01.97	JAPAN				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

			KISHK A A ET AL: "BROADBAND STACKED DIELECTRIC RESONATOR ANTENNAS" ELECTRICS LETTERS, IEE STEVENAGE, GB, vol. 25, no. 18, 31 August 1989, pages 1232-1233, XP000071886; ISSN: 0013-5194
			TAM M T K ET AL: "Half volume dielectric resonator antenna designs"; ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 33, no. 23, 6 November 1997, pages 1914-1916, XP006008177; ISSN: 0013-5194

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INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

HLA-0001

Application Number

107559717

Applicant(s)

ANDREW FOX

Filing Date

Group Art Unit

*EXAMINER
INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RECEIVED 05 DEC 2005

S.P. Kingsley and S.G. O'Keefe; "Beam steering and monopulse processing of probe-fed dielectric resonator antennas"; IEE Proc.-Radar, Sonar Navig., Vol. 146, No. 3, June 1999, pages 121-125

Rajesh K. Mongia, et al.; "Dielectric Resonator Antennas - A Review and General Design Relations for Resonant Frequency and bandwidth"; International Journal of Microwave and Millimeter-wave Computer-Aided Engineering; Vol. 4, No. 3; pages 230-247 (1994)

Gregory P. Junker, et al.; "Multiport Network Description and Radiation Characteristics of Coupled Dielectric Resonator Antennas"; IEEE Transactions on Antennas and Propagation, Vol. 46, No. 3, March 1998

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